

## TECHNICAL DATA – BRICK

Product: **Chalk 70 mm**

Description: **Chalk 70 mm** is a vitreous clay brick  
Manufactured through an extrusion process at PGH Bricks Oxley Plant for New Zealand market.

### Typical Properties

|  |             |                        |                       |
|--|-------------|------------------------|-----------------------|
| Average Compressive Strength (AS/NZS 4456.4)                   |             | <b>22</b>              | MPa                   |
| Characteristic Unconfined Compressive Strength (AS/NZS 4456.4) |             | <b>&gt; 10</b>         | MPa                   |
| 24 Hour Cold Water Absorption (AS/NZS 4456.14)                 |             | <b>&lt; 10</b>         | %                     |
| Initial Rate of Absorption (AS/NZS 4456.17)                    | Gross       | <b>0.8 – 1.6</b>       | kg/m <sup>2</sup> min |
| Estimated 15 year Coefficient of Expansion (AS/NZS 4456.11)    |             | <b>&lt; 1.2</b>        | mm/m                  |
| Perforation Volume (AS/NZS 4456.7)                             |             | <b>&lt; 30</b>         | %                     |
| Durability Class (AS/NZS 4456.10)                              |             | <b>Exposure</b>        |                       |
| Lime Pitting (AS/NZS 4456.13)                                  |             | <b>Nil to moderate</b> |                       |
| Effloresce (AS/NZS 4456.6)                                     |             | <b>Nil to slight</b>   |                       |
| Average Dry Mass:  |             | <b>2.6</b>             | kg                    |
| Working Dimensions (AS/NZS 4456.3) (DW1)                       | Length:     | <b>230</b>             | +/- 90mm              |
|  | Width:      | <b>70</b>              | +/- 50mm              |
|  | Height:     | <b>119</b>             | +/- 50mm              |
| Units per Square Meter:  | Traditional | <b>32</b>              |                       |

|                          |              |
|--------------------------|--------------|
| <b>Solar Absorptance</b> | <b>Light</b> |
|--------------------------|--------------|

|                             |              |
|-----------------------------|--------------|
| <b>Thermal Resistance R</b> | <b>0.244</b> |
|-----------------------------|--------------|

### Laying Instructions

- On a full bed mortar with 10 mm joints of a 1:1:6 mortar mix with a rolled or flush finish.
- To achieve a blend of the inherent colour variation so f the clay bricks, the product should be draw from across the job lot during laying.
- Clean down with clean water as job progress. If acid is to be used, consult with the manufacturer prior to cleaning.

*Note: This data represents average results from commercial production lots. If specific test results are required, samples should be taken from current production lots.*

*Due to the nature of the clay, the colour of the product may vary from batch to batch.*

**AUSTRALIAN/NEW ZELAND STANDARD TEST METHODS AS/NZS 4456 ARE USED AS APPLICABLE. MORE INFORMATION CAN BE OBTAINED ON PGH WEB SITE:  
[www.pghbricks.com.au](http://www.pghbricks.com.au)**